**Course: Math 6 CCSS Standard Number(s): CC.6.EE.1 Day: 2 of 2**

**Unit # & Title: Unit 1 – Properties and Expressions Lesson: Bases & Exponents Block/Period(s): 1 2 3 4 5**

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| **Unit Essential Question(s):** | How are variables used in mathematics?  How can we generate equivalent expressions? | | |
| **Learning Target(s)**  **“I can statements”** | I can evaluate numerical expressions involving whole # exponents. | | |
| **Essential Vocabulary** | base, exponent, power, squared, cubed, exponential form, expanded form | | |
| **Resources and Materials** | **Teacher** | | **Student** |
| Glencoe Course 1 Lsn 1-4, Practice Word Problem Wkbk, OnCore Mathematics Lsn 3-1  <http://www.math-play.com/math-jeopardy.html> (Lab) | | **Glencoe Course 1 Lsn 1-4**  **OnCore Mathematics Lsn 3-1**  **Jeopardy handout** |
| **8 Mathematical Practices:** | | | |
| X 1. Make sense of problems and persevere in solving them.  2. Reason abstractly and quantitatively.  X 3. Construct viable arguments and critique the reasoning of others.  4. Model with mathematics. | | X 5. Use appropriate tools strategically.  X 6. Attend to precision.  X 7. Look for and make use of structure.  X 8. Look for and express regularity in repeated reasoning. | |
| **Activating Strategy**  **(Opening Activity)** | **Put one word problem(4 different problems) on each card and pass out to students. Students group themselves by problem number to solve together. Be sure answers are written in both forms.**  **Check homework** | | |
| **Cognitive Teaching Strategies**  **Me/We/Few/You**  **(TIP-Teacher input**  **SAP-Student actively participates**  **GP – Guided Practice**  **IP-Independent Practice)** | **Me-Have students find value of word problems individually**  **We-Discuss and do additional examples as needed**  **Two/You Jeopardy game.** | | |
| **Summarizing Strategy**  **(Closing Activity)** | **Ticket out the Door-Find value of word problems in groups** | | |
| **Assessment/Homework** | **Finish Jeopardy Handout** | | |
| **Extending/Refining** | **While in lab, have each student research real world examples of exponent use.**  **Journal-write about experience with game and concepts studied, including individual strengths and weaknesses.** | | |